

Form PTO-1449

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DOCKET NUMBER
70086APPLICATION NUMBER
08/669,656APPLICANT
WOOD ET ALFILING DATE
JUNE 24, 1996GROUP ART UNIT
1818**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
MPA	5,380,836	1/10/95	ROGART, RICHARD B.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
						Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MPA	Rogart, R. B. et al, "Identification of Two Sodium Channel Subtypes in Chick Heart and Brain", <i>Proc. Natl. Acad. Sci USA</i> , Vol. 80, pp. 1106-1110, February 1983. ✓
MPA	Rogart, R. B. et al, "Molecular Cloning of a Putative Tetrodotoxin-Resistant Rat Heart Na ⁺ Channel Isoform", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 86, pp. 8170-8174, October 1989. ✓
MPA	Beckh, Synnove; "Differential Expression of Sodium Channel mRNAs in Rat Peripheral Nervous System and Innervated Tissues", <i>FEBS Letters</i> , Vol. 262, No. 2, pp. 317-322, March 1990. ✓
MPA	Tanelian, Darrell L. et al., "Neuropathic Pain Can Be Relieved By Drugs That Are Use-dependent Sodium Channel Blockers: Lidocaine, Carbamazepine, and Mexiletine", <i>Anesthesiology</i> , 74:949-951, May 1991. ✓
MPA	West, James W. et al., "Efficient Expression of Rat Brain Type IIA Na ⁺ Channel α Subunits in a Somatic Cell Line", <i>Neuron</i> , Vol. 8, 59-70, January 1992. ✓
MPA	Roy, Mary Louise et al., "Differential Properties of Tetrodotoxin-sensitive and Tetrodotoxin-resistant Sodium Channels in Rat Doral Root Ganglion Neurons", <i>The Journal of Neuroscience</i> , 12(6): 2104-2111, June 1992. ✓
MPA	Gautron, Sophie et al., "The Glial Voltage-gated Sodium Channel: Cell- and tissue-specific mRNA Expression", <i>Proc Natl. Acad. Sci., USA</i> , Vol. 89, pp. 7272-7276, August 1992. ✓
MPA	Caffrey, J. M. et al., "Three Types of Sodium Channels in Adult Rat Dorsal Root Ganglion Neurons", <i>Brain Research</i> , 492, 283-297 (1992). ✓
MPA	Ahmed, C. M. I. et al., "Primary Structure, Chromosomal Localization, and Functional Expression of a Voltage-gated Sodium Channel from Human Brain", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 89, pp. 8220-8224, September 1992. ✓
MPA	Elliott, A. A., et al., "Characterization of TTX-sensitive and TTX-resistant Sodium Currents in Small Cells From Adult Rat Dorsal Root Ganglia", <i>Journal of Physiology</i> (1993), 463, pp. 39-56. ✓

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MPAllen

DATE CONSIDERED

6/30/97

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS

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						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MPA	Jeftinija, Srdija, "The Role of Tetrodotoxin-Resistant Sodium Channels of Small Primary Afferent Fibers", <i>Brain Research</i> 639 (1994) 125-134.
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MPA	Klugbauer, Norbert et al., "Structure and Functional Expression of a New Member of the Tetrodotoxin-Sensitive Voltage-Activated Sodium Channel Family From Human Neuroendocrine Cells", <i>The EMBO Journal</i> , Vol. 14, No. 6, pp. 1084-1090, 1995.
MPA	Schaller, Kristin L. et al., "A Novel, Abundant Sodium Channel Expressed in Neurons and Glia", <i>The Journal of Neuroscience</i> , May 1995, 15(5): 3231-3242.
MPA	Akopian, Armen et al., "Peripheral Nervous System-specific Genes Identified by Subtractive cDNA Cloning", <i>The Journal of Biological Chemistry</i> , Vol. 280, No. 36, September 8, 1995, pp. 21264-21270.
MPA	Akopian, Armen et al., "A Tetrodotoxin-resistant Voltage-gated Sodium Channel Expressed by Sensory Neurons", <i>Nature</i> Vol. 379, 18 January 1996.
MPA	Sangameswaran, Lakshmi et al., "Structure and Function of a Novel Voltage-gated Tetrodotoxin-resistant Sodium Channel Specific to Sensory Neurons", <i>The Journal of Biological Chemistry</i> , Vol. 271, No. 11, pp. 5953-5956, March 15, 1996
MPA	Base Copy of Gene Bank accession No. U 53833 showing <i>Rattus norvegicus</i> sodium channel PN3 gene, and amino acid sequence as referred in Sangameswaran, L. et al. <i>J. Biol. Chem.</i> 271, 5953-5957 (1996)

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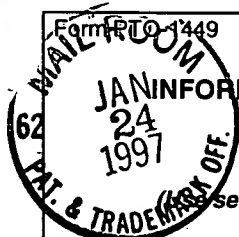
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MPA	Arbuckle, J. B. et al., "Expression of Tetrodotoxin Resistant Sodium Channels in Capsaicin-Sensitive Dorsal Root Ganglion Neurons of Adult Rats", <i>Neuroscience Letters</i> , Vol. 185, pp. 70-73, 1995. ✓
MPA	Schwartz A. et al., "Structural and Developmental Differences Between Three Types of Na Channels in Dorsal Root Ganglion Cells of Newborn Rats", <i>Journal of Membrane Biology</i> , Vol. 116, pp. 117-128, 1990: ✓

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